Currently Approved Innovative Courses
(Updated December 2014)

Please direct any questions or requests for materials to the contact listed.
Districts may offer these courses without application to TEA as long as all course requirements are met.
These requirements are available from the contact listed next to each course.

Approved Innovative Courses—Career and Technical Education (CTE)					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Advanced Culinary Arts	N1302265	ADCULART	1-2	Diane Salazar	TBD*
Advanced Culinary Arts will extend content and enhance skills introduced in Culinary Arts by infusing high-level, industry-driven content to prepare students for success in higher education, certifications and/or immediate employment.					
Baking and Pastry Arts	N1302266	BPART	1	Diane Salazar	TBD*
This course covers the basic theory and skill sets used throughout the field of baking and pastry. Topics covered include the use of hand tools and large equipment found in a bakeshop, as well as the exploration of baking and pastry ingredients and their functions.					
Baking and Pastry Arts Lab	N1302267	BARTLB	1	Diane Salazar	TBD*
This lab covers the basic theory and skill sets used throughout the field of baking and pastry. Topics covered include the use of hand tools and large equipment found in a bakeshop, as well as the exploration of baking and pastry ingredients and their functions.					
Barbering I	N1302534	BARBER1	2–3	Diane Salazar	TBD*
This course provides students with an opportunity to build self-esteem and pride in workmanship. Students will develop an understanding of the relationship between academic skills, competencies and acquisition, and ultimate career success.					
Barbering II	N1302535	BARBER2	2–3	Diane Salazar	TBD*
Students will develop employability skills necessary for entry into the workplace. Students will see the importance of staying in school and obtaining marketable skills for the field of barbering.					
Cosmetology Facialist Specialist	N1302533	COSMETF	2–3	Diane Salazar	TBD*
The *Cosmetology Facialist Specialist* course offers a complete program in the science and art of esthetics. Students are exposed to the industry through salon visits and guest speakers.					
Cosmetology Manicurist Specialty	N1302531	COSMETM	2–3	Diane Salazar	TBD*
This course is a planned 600 clock hour sequence of classroom and lab instruction designed to prepare the student for the Texas Cosmetology Manicurist Specialty License exam.					
Cosmetology Shampoo and Conditioning Specialist	N1302532	COSMETS	1–2	Diane Salazar	TBD*
The *Shampoo-Conditioning Specialist Program* is a planned sequence of classroom and lab instruction designed to prepare the student for the Texas Department of Licensing and Regulation's Shampoo and Conditioning Specialty Certificate exam.					
Data Acquisition & Analysis	N1303750	DATAA	1	John Ellis	TBD*
Students will become familiar with standard scientific and engineering instrumentation, and will work in the context of engineering design problems in disciplines such as mechanical, electrical, civil, materials, and biomedical engineering.					

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Approved Innovative Courses—Career and Technical Education (CTE) cont.					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
DC Circuits	N13030765	DCCIR	1	John Ellis	TBD*
DC Circuits will provide the students with the foundation needed for instrumentation and electronics, including Ohm's law, Kirchhoff's laws, and circuit analysis techniques.					
Digital Fundamentals	N1303768	DGFUN	1	John Ellis	TBD*
Digital Fundamentals is an entry level course in digital electronics covering number systems, including binary, base 10, octal and hexadecimal, binary mathematics, digital codes, logic gates, Boolean algebra, and combinational logic.					
Digital Image Processing	N1303766	DGIP	1	John Ellis	TBD*
In Digital Image Processing students will understand how images (pictures) are represented in a way that computers can deal with them.					
Disaster Response	N1303011	DISRESP	1/2–1	Ron Whitson	TBD*
This course will train students as first responders following a major disaster, utilizing the Community Emergency Response Team (CERT) model curriculum, adopted by the Federal Emergency Management Agency (FEMA).					
Dosage Calculations	N1302096	DSCAL	1	Ron Whitson	TBD*
This course is to be prepared for careers in the health science industry, students must acquire technical knowledge in the discipline as well as apply academic skills in mathematics.					
Forensic Psychology	N1303012	FORENSPSY	1	Ron Whitson	TBD*
Forensic Psychology utilizes and applies basic skills developed in psychology to criminal behavior and criminal scenarios resulting in a structured and scientific approach to investigative analysis, which enables police or law enforcement officials to predict criminal activity based upon mathematical/scientific data versus abstract intuition.					
Geographic Information Systems	N1302805	GIS	1	John Ellis	TBD*
Geographic Information Systems is a course designed to introduce students to Geographic Information Systems and Remote Sensing technology through academic study and applied instruction.					
Introduction to American Law	N1303013	INTRALW	1	Ron Whitson	TBD*
This is an introductory course in American Law that explores the origins of American Law, nature of precedent/common law, provides an overview of American court structure, introduces case law, and surveys several of the courses traditionally taught during the first year of law school to include the following subjects: criminal law, criminal/civil procedure, torts, contracts, property and family law.					
Introduction to Process Technology	N1300262	INTRPT	1	John Ellis	TBD*
The Introduction to Process Technology course is an overview of the various industries using process technology, such as petrochemical plants, refineries, oil and gas production, and power generation.					
Legal Research and Writing	N13003014	LEGRW	1	Ron Whitson	TBD*
This course is designed to introduce students to the methods and tools used to conduct legal research to include Lexis-Nexis, learn how to develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, study American Constitutional law, and prepare for appellate argument(s).					
Medical Biotechnology II	N1302091	MEDBIO	2	Ron Whitson	TBD*
The *Medical Biotechnology II* course will expand on laboratory skills and techniques required for investigations and problem-solving in the field of Biotechnology.					

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Approved Innovative Courses—Career and Technical Education (CTE) cont.					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Mathematics for Medical Professionals	N1302097	MDMTH	1	Ron Whitson	TBD*
An instructional program that prepares students with skills to compute mathematical equations related to healthcare. The course integrates medical-physiological concepts and mathematics.					
Oil and Gas Production Systems I	N1300254	PRODSYS1	1-2	Ron Whitson	TBD*
Students enrolled in this program will identify specific career opportunities in the oil and gas industry, and the skills, abilities, tools, certification, and safety measures associated with each career. Students will also be provided with an understanding of components, systems, equipment, production, and safety regulations associated with oil and gas well production and maintenance.					
Oil and Gas Production Systems II	N1300255	PRODSYS2	1-3	Ron Whitson	TBD*
This course will provide students with an overview of specific requirements for entry into post-secondary education and employment in the oil industry. This course prepares students for industry certification and is recommended for students in 10-12th grade.					
Oil and Gas Production Systems III	N1300256	PRODSYS3	1-3	Ron Whitson	TBD*
In this course, students will study well control practices applicable to drilling, completion and production. This includes calculating and evaluating the characteristics of the flowing and static fluids in various tubular and annular systems.					
Oil and Gas Production Systems IV	N1300257	PRODSYS4	1-3	Ron Whitson	TBD*
This course prepares students to assess the effects of drilling through the production formation and choose tools and procedures for completing a drilled wellbore.					
Organic Sustainable Food Production	N1300252	ORGFOOD	1-2	Ron Whitson	TBD*
Organic Sustainable Food Production is designed to explore the history, industry, principles, and practices of organic sustainable food production. Students will research how food raised organically might benefit people and the environment, gain knowledge in organic nutrition, passive solar greenhouses, organic certification requirements, composting, organic agricultural economics, and recycling.					
Parenting Education for School Age Parents I–II	N1302536 N1302537	PAEDSAP1 PAEDSAP2	1/2–1	Diane Salazar	TBD*
This laboratory course is designed to address the special needs and interests of male and female students who are parents, who are pregnant, or who are expecting to become parents in the near future.					
Principles of Oil and Gas Production	N1300253	PRINPROD	1/2-1	Ron Whitson	TBD*
This course will provide students an introduction to oil and gas professions including the distinction between the different career opportunities and the required certification and degree for each.					

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Approved Innovative Courses—CTE (cont'd.)					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Radio Broadcasting I–II	N1300991 N1300992	RADIOBR1 RADIOBR2	1/2–1	John Ellis	TBD*
Students will learn the theory and history of radio production as well the production processes involved in commercial production, scripting, news writing and reporting, audio editing, remote production, and radio programming. Radio Broadcasting II is project based and involves more skill development the implementation software and team building.					
Raster-Based Geographic Information Systems	N1302806	RBGIS	1	John Ellis	TBD*
This course introduces the principles of GIS data sets including raster-based information such as images or photographs. Students will study local problems, acquire information including images or aerial photographs, process the data, and merge it with vector data.					
Petrochemical Safety Health and Environment	N1300264	SHAE	1	John Ellis	TBD*
The Petrochemical Safety, Health, and Environment course provides opportunities for students to learn about environmentally sound work habits within the petrochemical industry.					
Social Media Marketing	N1303481	SOCMEDMK	1/2	Ron Whitson	TBD*
Social Media Marketing is designed to look at the rise of social media and how it has transformed the business arena. Students will learn about the multi-disciplinary implications and how to manage a successful social media presence for an organization.					
Spatial Technologies & Remote Sensing	N1302807	SPATECRS	1/2–1	John Ellis	TBD*
Students receive instruction and guidance from in-class lecture, with an instructor acting in a facilitator capacity, on topics including skill building in industry, standard geospatial extension software, geospatial tools including global positioning systems (GPS), and continued training in GIS project management and problem solving.					
Texas Prefreshman Engineering Program I–IV	N1303752 N1303753 N1303754 N1303755	TXPRENG1 TXPRENG2 TXPRENG3 TXPRENG4	1	John Ellis	TBD*
The mission of the TexPREP program is to provide a challenging academic program designed to motivate and prepare middle and high school students for success in advanced studies leading to careers in science, technology, engineering or mathematics (STEM).					
Video Game Design	N1300993	VIDEOGD	1/2–1	John Ellis	TBD*
The student will be provided the opportunity to design, program, and create a functional video game. The course will introduce basic programming language and skills that are essential to developing a video game. Topics covered are math, physics, design, and computer programming.					
Video Game Design II	N1300994	VIDEOGD2	1/2–1	John Ellis	TBD*
Students will dive into the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.					
Video Game Design III	N1300995	VIDEOGD3	1/2–1	John Ellis	TBD*
Students will develop mobile applications.					

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Approved Innovative Courses—Foundation and Enrichment					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Bilingual Education and English as a Second Language					
Content-Based ESOL for Science IA/B	N1280010	ESOL-SCI	1/2–1	Susie Coultress	TBD*
The *Content-Based ESOL for Science* course will be a companion course to the EngSOL I course now offered at International Newcomer Academy (INA) and Language Center programs and will be a means for the high school recent-arrival immigrant students in these programs to earn elective ESOL credit while earning required English credit through EngSOL I.					
Newcomers English Language Development (NELD) A & B	N1280042 N1280043	NELDA NELDB	1	Susie Coultress	TBD*
The *Newcomers English Language Development* courses are designed to provide instructional opportunities for secondary level recent immigrant students with little or no English proficiency. The development of communicative competence occurs through targeted lessons based on students' needs.					
Social Intelligence for ESL Students	N1280041	SIESL	1/2–1	Susie Coultress	TBD*
This course provides ESL students with the necessary knowledge and skills required for successful adaptation to a new community and educational environment. Students will learn skills to navigate through social situations, such as conflict resolution, communication, decision making, cultural awareness, etc.					
English Language Arts					
Research Methods in the Humanities	N1100013	RESHUM	1	Karin Miller	TBD*
Through study of the humanities, students explore the idea that we see the world through the filter of our own culture. By bringing together analysis of visual media, auditory media, and written media, the course teaches students how analytical thinking applies across all fields of study and how analytical thinking applies to their day-to-day lives.					
AP Research	N1100014	APRES	1	Karin Miller	TBD*
In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question.					
Fine Arts					
Acting Methods I–IV	N1170123 N1170124 N1170125 N1170126	ACTMET1 ACTMET2 ACTMET3 ACTMET4	1	Kelsey Kling	2014-2015
This tier of courses develops proficiency in acting by promoting an understanding of the methods, principles, practices and vocabulary common for all acting styles from Greek through Shakespeare to modern texts. The students will study monologues and scenes from a variety of historical periods and acting styles.					
Advanced Acting/American Drama	N1170113	ADVACTAD	1	Kelsey Kling	2014-2015
The course will include the detailed study, analysis, and performance of the works of major twentieth century American playwrights, including Arthur Miller, Tennessee Williams, William Inge, Lillian Hellman, Eugene O'Neill, and Neal Simon.					
Advanced Acting: Shakespeare	N1170089	ADVACTSH	1/2–1	Kelsey Kling	2014-2015
Students will read from a selection of Shakespeare's comedies and tragedies and apply analysis and interpretation. The curriculum will include diction work and scene acting with an emphasis on keeping the language alive and the acting natural.					
Advanced Acting: World Drama	N1170122	ADVACTWD	1/2–1	Kelsey Kling	2014-2015
This course includes a detailed study and performance of the works of major world playwrights from the Greeks to the present day. Scenes are analyzed, rehearsed, and presented.					

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Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Advanced Lighting and Stage Design	N1170088	ADVLISDE	1	Kelsey Kling	2014-2015
Students will analyze plays for design elements and production requirements, create light plots, and design scenery for specific productions from literal drawings to public performance.					
Art Design I–II	N1170139 N1170140	ADES1 ADES2	1	Kelsey Kling	2014-2015
Art Design I–II combines in-depth foundation studies using elements and principles of design with skills and techniques as applied to the construct of stand-alone artistic compositions.					
Art Design & Production for Advanced Visual Arts	N1170120	ADPAVAS	1/2–2	Kelsey Kling	2014-2015
This course is designed to ensure that advanced visual art magnet students are grounded in the elements of art, principles of design, critical analysis, and cultural heritage as well as challenged at an advanced skill level.					
Children's Theatre	N1170084	CHILDTHE	1/2	Kelsey Kling	2014-2015
Students will read selected children's theatre play scripts, learn the techniques of performing for children, rehearse and perform children's shows. Recommended prerequisite: Theatre Arts, Level I.					
Classical Studies in Dance	N1170175	CLASDAN	1	Kelsey Kling	2014-2015
This course develops the student's understanding of the fundamental principles, practices, and vocabulary common to classical studies in dance and fundamental to the Classical Movement that began under the reign of King Louis IV and further developed during the Renaissance.					
Contemporary Studies in Dance I–IV	N1170030 N1170031 N1170032 N1170033	CSDANCE1 CSDANCE2 CSDANCE3 CSDANCE4	1/2–1	Kelsey Kling	2014-2015
These courses develop an understanding of fundamental principles, practices, and vocabulary common to contemporary studies in dance and fundamental to the Modern Movement, which broke away from the classical traditions of ballet.					
Dance Composition I–IV	N1170127 N1170128 N1170129 N1170130	DANCOMP1 DANCOMP2 DANCOMP3 DANCOMP4	1/2–1	Kelsey Kling	2014-2015
Dance Composition I–IV is a practical exploration of a variety of processes and elements that may be used in the study of creating dances. Students will create their own dance studies in response to a variety of assigned choreographic exercises.					
Dance Performance Ensemble I–IV	N1170034 N1170035 N1170036 N1170037	DANCEPE1 DANCEPE2 DANCEPE3 DANCEPE4	1	Kelsey Kling	2014-2015
Dance Performance Ensemble I–IV is an intense interdisciplinary program that combines performance elements such as dance, music, costume, and theatrical design with performance opportunities for small dance ensembles.					
Dance Theory I–IV	N1170131 N1170132 N1170133 N1170134	DANTHY1 DANTHY2 DANTHY3 DANTHY4	1/2–1	Kelsey Kling	2014-2015
Dance Theory I–IV orients students to the field of dance as an academic discipline, profession, and art form. This course supplies students with information and processes of inquiry to facilitate their own decision making as they proceed in the field of dance and promotes critical thinking skills that are the foundation for this course.					

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Approved Innovative Courses—Foundation and Enrichment (cont'd.)					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Directing for the Stage	N1170119	STAGEDIR	1	Kelsey Kling	2014-2015
This course provides for the analysis and application of techniques used in theatrical directing. Students will be able to plan, execute, and critically discuss a theatrical production.					
Jazz Improvisation I–IV	N1170026 N1170027 N1170028 N1170029	JAZZIMP1 JAZZIMP2 JAZZIMP3 JAZZIMP4	1	Kelsey Kling	2014-2015
This is a performance-based jazz improvisation class focusing on music of the 20th century. Students will research and perform music in various genres such as Jazz, Blues, and Rhythm and Blues.					
Intermediate Acting: Comedy and Improvisation	N1170083	COMMPRO	1/2	Kelsey Kling	2014-2015
Students will become familiar with the comedic genre through the ages by studying the art of comedy's masters. They will practice verbal and physical comedy and perform monologues, scenes, and plays by comedic writers. Students will learn how to create scenes through improvisation.					
Music Business I–II	N1170137 N1170138	MUSBUS1 MUSBUS2	1	Kelsey Kling	2014-2015
The business of music is a global multi-billion dollar industry comprised of relatively small numbers of individuals creating the music, but a large number working at labels, distribution companies, publishing companies, recording studios, artist management, promotion, producing, and legal counsel.					
Music Composition I–II	N1170135 N1170136	MUSCOM1 MUSCOM2	1	Kelsey Kling	2014-2015
Music Composition I–II explores the creative process of writing music by developing basic tools that composers use to construct music. The students will operate within the context of a supportive and open-minded environment for critical discussions.					
Music Production I	N1170121	MUSPROI	1	Kelsey Kling	2014-2015
This course is designed to supplement the traditional performance-based school music curriculum with knowledge and skills increasingly more relevant to 21st century musical practices.					
Music Production, Level II (Audio Technology)	N1170025	MUSPROII	1	Kelsey Kling	2014-2015
Music Production II (audio technology) serves as an overview to entering the professional world of audio engineering and the recording of sound. The course will focus on the fundamentals of music production and recording with an emphasis on hard-disc recording utilizing industry standard hardware and software.					
Musical Theatre I–IV	N1170069 N1170109 N1170110 N1170115	MUSTHEA1 MUSTHEA2 MUSTHEA3 MUSTHEA4	1/2–1	Kelsey Kling	2014-2015
Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre.					
Physical Theatre	N1170180	PHYTHE	1	Kelsey Kling	2014-2015
Physical Theatre, now a degree course in many colleges, is a one year course of study encompassing abstract movement, corporal and illusionary mime, neutral and 3-d mask work, and Commedia dell'Arte.					
Physical Theatre II	N1170181	PHYTHE2	1	Kelsey Kling	2014-2015
Physical Theatre II, now a BFA degree course in many colleges, is part of a four year course of study encompassing abstract movement, corporal and illusionary mime, neutral and 3-D mask work, Commedia Dell'Arte and full-length silent theatre productions.					

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Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Playwriting I–IV	N1170141 N1170142 N1170143 N1170144	PLWRT1 PLWRT2 PLWRT3 PLWRT4	1	Kelsey Kling	2014-2015
This tier of courses is designed to help the student develop an individual voice as a writer and strengthen the students understanding of dramatic structure. The students study the development of the play as a literary form and explore the ways different modern writers use structure, dialogue, and characterization.					
Scenography I–IV	N1170038 N1170039 N1170040 N1170041	SCENOGR1 SCENOGR2 SCENOGR3 SCENOGR4	1	Kelsey Kling	2014-2015
Scenography is the art of creating performance environments. Students examine and develop work through the exploration of the personal creative process in relation to the demands of professional practice.					
Stage Combat / Theatrical Movement	N1170118	SCOMTNOV	1	Kelsey Kling	2014-2015
Students acquire the knowledge and skills for movement and apply these skills effectively to stage acting and performing. It is designed to employ stage movement to express thoughts, feelings, and actions, and to analyze and describe the interdependence of all physical elements used on the stage.					
Health and Physical Education					
Comprehensive Wellness	N1150043	COMPWEL	1/2	Barney Fudge	TBD*
Comprehensive Wellness is the integration of body, mind, emotions, and behaviors to help students make a conscious decision toward a lifetime of health and wellness. It provides students with essential knowledge and skills to improve attitudes, beliefs, and behaviors for optimal physical and emotional health.					
Comprehensive Wellness II	N1150046	COMPWEL2	1/2	Barney Fudge	TBD*
This course allows students to explore how to be safe and secure with their own physical and emotional self, solidify their individual and social identity and recognize the abilities needed to achieve healthy direction and purpose in their lives.					
PE3: PE for the Mind, Body, and Spirit	N1160010	PE3MBS	1/2	Barney Fudge	TBD*
This course is for students who may need additional support in reaching their Healthy Fitness Zone in the Fitnessgram, especially in the area of Body Mass Index (BMI). The course is designed to work with each individual in the context of their life—physically, nutritionally, socially, and psychologically.					
Team Sport Officiating	N1160012	TEAMOFF	1/2-1	Barney Fudge	TBD*
The Team Sport Officiating course will teach students rules and regulations of selected team sports, developing skills in the area of communication, decision-making, and conflict management needed to officiate team sport competitions, working with coaches, players, other officials, and parents.					
Exercise Physiology	N1160014	EXPHY	1	Barney Fudge	TBD*
Students will explore the world of exercise physiology by gaining knowledge and skills to properly design a program for themselves and other populations in the various stages of life culminating in a project that focuses students on developing three-month plans and applying their learning in real-world applications.					
Mathematics					
Applied Mathematics for Technical Professionals	N1110031	APMTHTP	1	James Slack	TBD*
Problem solving situations, hands-on activities and technology are used in this course to extend mathematical thinking and engage student reasoning. Situations relating to technical applications provide students opportunities to make connections with mathematics and the workplace.					

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Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Contemporary Math Topics	N1110024	CNTMTH	1/2	James Slack	2014-2015
Students are introduced to contemporary topics in mathematics, high-interest areas of mathematics on the cutting edge of research, falling under the general categories of fractals, fitting arrangements, modern geometries, topology, chaos, automata, modern number theory, and the beckoning proofs of pure mathematics.					
History of Math I	N1110022	HSTMTH1	1/2–1	James Slack	2014-2015
Students are introduced to the history of mathematics, from its earliest beginnings to the end of the sixteenth century. Students learn about early number systems and symbols, mathematics in early civilizations, Greek mathematics, Alexandrian mathematics, and mathematics during the Medieval and Renaissance Periods.					
History of Math II	N1110027	HSTMTH2	1/2–1	James Slack	2014-2015
Students are introduced to how mathematics has developed over the last 300 years. Students learn about the dawn of modern mathematics, the development of probability theory, the renaissance of number theory, the development of non-Euclidean geometry, the invention of set theory, and the emergence of point-set topology at the hands of its creators.					
Linear Algebra	N1110021	LINALG	1/2	James Slack	2014-2015
Students are introduced to linear algebra, a subject that has widespread applications in other areas of mathematics such as probability theory, multivariable calculus, differential equations, in the physical and social sciences, and engineering.					
Modern Geometry	N1110019	MODGEO	1/2–1	James Slack	2014-2015
This course is designed to explore concepts and development of non-Euclidean geometry, including projective, spherical, and hyperbolic geometries.					
Multivariable Calculus	N1110018	MULTCAL	1/2–1	James Slack	2014-2015
Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions.					
Linear Programming	N1110026	LINPROG	1/2	James Slack	2014-2015
Students are introduced to the six-steps used to solve Linear Programming problems and will practice each one. Students learn the process and techniques of using Linear Programming. Students research the historical development, purpose, and application of Linear Programming and apply the methods they have learned to real-world situations in a chosen career.					
Number Theory	N1110025	NUMTHY	1/2	James Slack	2014-2015
The topics of study contribute to the student's enhanced understanding of historical developments, proofs and discoveries of mathematical numerical relationships.					
Strategic Learning for High School Math	N1110030	STLNHSM	1/2–1	James Slack	2014-2015
This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning.					
Science					
Electricity and Magnetism	N1120043	ELECMAG	1/2	Irene Pickhardt	TBD*
Electricity and Magnetism is designed to provide an in-depth introduction to the concepts of electricity and electronics for the student who plans to major in an engineering discipline at the university level. With a concentrated and extended study of electricity and magnetism, the student will be aptly prepared to enter the highly competitive university environment.					
Introduction to Renewable Energy	N1120042	RENEWEN	1	Irene Pickhardt	TBD*
This course provides the foundation for a deeper understanding of the problems, issues, perspectives, and developments in the areas of bio-fuels, solar and wind energy. A significant focus of the course will be on critical and creative thinking, problem solving, and communication of ideas relating to renewable energy.					

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Modern Physics	N1120041	MODPHY	1/2–1	Irene Pickhardt	TBD*
Students will gain an understanding of how science works; what motivates it, how initially promising ideas are refuted by continued research, and the consequences of science on other fields and society in general.					
Organic Chemistry	N1120027	ORGCHEM	1/2–1	Irene Pickhardt	TBD*
Organic Chemistry is an introductory course that is designed for the student who intends to continue future study in the sciences. The student will learn the concepts and applications of organic chemistry.					
Planet Earth	N1120040	PLNEAR	1	Irene Pickhardt	TBD*
Planet Earth focuses on the complex, dynamic relationship between the planet and its life, tracing it through the Earth's geologic history. Portions of the course include the emerging, integrative science now being referred to as Geobiology at the college level.					
Science and Technology	N1120039	SCITECH	1/2–1	Irene Pickhardt	TBD*
Science and Technology (SciTech) is a high-level, hands-on science and engineering course. Through self and peer evaluation, SciTech requires students to interact verbally, in writing, and through improving the performance of devices.					
Social Studies					
AP Seminar	N1130026	APSMNR	1	Chris Dolejs	TBD*
AP Seminar is a foundational course that aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.					
Teen and Police Service	N1130025	TEENPOL	1	Chris Dolejs	TBD*
The TAPS course includes specific topic areas associated with Children and Youth Safety (COPS-CPD-2011-3) such as violence, physical and sexual abuse, stalking, domestic trafficking, sexual exploitation, and bullying. The course is designed to help youth: change behavior, learn responsible decision making, participate in crime prevention projects, and reduce the social distance between themselves and law enforcement.					

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Approved Innovative Courses—Project Lead the Way (PLTW) *PLTW courses require an agreement between the LEA and the owning organization.* *All requirements of the owning organization must be met.* *Contact the owning organization directly for these requirements.*					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Aerospace Engineering	N1303745	AERO	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Aerospace Engineering engages students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering.					
Biomedical Innovation (BI)	N1302095	BIOINN	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design solutions for the health challenges of the twenty-first century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.					
Biotechnical Engineering	N1303746	BIOENG	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
The major focus of this course is to expose students to the diverse fields of biotechnology including biomedical engineering, molecular genetics, bioprocess engineering, and agricultural and environmental engineering.					
Civil Engineering and Architecture	N1303747	CEA	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students apply what they learn about various aspects of civil engineering and architecture to the design and development of a property.					
Computer Integrated Manufacturing	N1303748	CIM	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students learn about the history of manufacturing, a sampling of manufacturing processes, robotics and automation.					
Computer Science and Software Edgineering	N1303768	CSCISE	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
This course emphasizes critical thinking, creativity, innovation and real-world problem solving. The hands-on learning engages students on multiple levels, exposes them to areas of study that they may not otherwise pursue, and provides them with a foundation and proven path to post-secondary training and career success in STEM-related fields.					
Digital Electronics	N1303744	DE	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation.					
Engineering Design and Development	N1303749	EDD	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
This is an engineering research course in which students will work in teams to research, design, test and construct a solution to an open-ended engineering problem.					
Gateway to Technology	N1303741	GTT	1/2–1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
This course consists of activities designed to challenge and engage the curiosity and imagination of students. Topics covered include design and modeling, the magic of electrons, the science of technology, and automation and robotics.					

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Approved Innovative Courses—PLTW (cont'd.) *PLTW courses require an agreement between the LEA and the owning organization.* *All requirements of the owning organization must be met.* *Contact the owning organization directly for these requirements.*					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Gateway To Technology 1 - Design, Modeling, and Automation	N1303756	GTT1	1/2	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students investigate the impact of energy on our lives and the environment.					
Gateway To Technology 2 - Applied Science and Technology	N1303757	GTT2	1/2	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students explore the science of electricity, behavior and parts of atoms, and sensing devices through hands-on projects. Students acquire knowledge and skills in basic circuitry design and examine the impact of electricity on our lives.					
Gateway To Technology 3 - Energy, Environment, and Flight	N1303758	GTT3	1/2	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students use a robust robotics platform to design, build, and program a solution to solve an existing problem.					
Gateway To Technology 4 – Architecture and Biomedical Sciences	N1303759	GTT4	1/2	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
This course features a project-based curriculum designed to challenge and engage the natural curiosity and imagination of students.					
Human Body Systems	N1302093	HUMBODSY	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
In the *Human Body Systems*™ course students examine the processes, structures, and interactions of the human body systems to learn how they work together to maintain homeostasis (internal balance) and good health.					
Introduction to Engineering Design	N1303742	IED	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.					
Medical Interventions	N1302094	MEDINT	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
This course is a "how-to" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and prevalence of organ failure.					
Principles of Biomedical Science	N1302092	PRBIOSCI	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
In the *Principles of Biomedical Sciences*™ course, students explore the concepts of human medicine and are introduced to research processes and to bioinformatics. Hands-on projects enable students to investigate human body systems and various health conditions.					
Principles of Engineering	N1303743	POE	1	Project Lead The Way (PLTW) juliemoore@ingenuitycenter.com	TBD*
Students employ engineering and scientific concepts in the solution of engineering design problems.					

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Approved Innovative Courses—Other					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Aviation Honors Ground School	N1290400	AVIAHGS	1	Ron Whitson	2018-2019
The curriculum in this course is a more advanced, more in-depth study of other JROTC aerospace topics. Upon completion of the course, students will be prepared to take the Federal Aviation Administration (FAA) written examination.					
Braille Reading and Writing	N1100505	BRAILLE	1-2	Karin Miller	
This course will provide instruction in pre-braille skills, tactual discrimination, the reading and writing of the braille code, and the development of efficient braille reading including fluency and comprehension. The braille reading and writing course will emphasize the conventions and mechanics of braille.					
College Transition	N1290050	CLGTRN	1/2–1	Monica Brewer	2016-2017
College Transition is a high school course designed to equip students with the knowledge, skills and abilities necessary to be active and successful learners both in high school and in college.					
G/T Independent Study Mentorship I–IV	N1290309 N1290313 N1290317 N1290318	GTISMI GTISM2 GTISM3 GTISM4	1/2–1	Monica Brewer	2014-2015
This course, based on the Exit Level Texas Performance Standards Project (TPSP) for gifted/talented (G/T) students, offers a non-traditional learning experience to those students who have the ability to create innovative products or performances.					
Logic I-II	N1290100 N1290101	LOGIC1 LOGIC2	1/2	Chris Dolejs	2014-2015
Logic I will provide content in informal logic which includes logical fallacies, inductive reasoning, strong versus weak and fallacious arguments, and probability. Logic II offers content in formal logic, or the logic that pertains to pure reasoning in the abstract – deductive reasoning, valid or invalid arguments, and certainty.					
Methodology for Academic and Personal Success (MAPS)	N1130021	MAPS	1/2–1	Monica Brewer	2016-2017
The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals.					
Orientation and Mobility for Students with Visual Impairments I-IV	N1160510	ORIENMO	1-2	Barney Fudge	
The Orientation and Mobility for Students with Visual Impairments courses will focus on skills and strategies that will enhance essential travel skills. These travel skills will enable students with visual impairments and blindness to access all of the educational environments in which they will be involved.					
Path College Career I-IV	N1290051 N1290052 N1290053 N1290054	PATHCC1 PATHCC2 PATHCC3 PATHCC4	½-1	Monica Brewer	2014-2015
The *Path-College/Career Prep* courses advance intellectual curiosity, conscientiousness, dependability, emotional stability, and perseverance through tasks that foster deeper levels of thinking and reasoning in the four core content areas. Path courses focus on developing the habits and skills that are expected in college study and the workforce.					
Peer Assistance for Students with Disabilities I–II	N1290203 N1290204	PASWD1 PASWD2	1/2–1	Jessica Snyder	2018-2019
Peer Assistance for Students with Disabilities is designed to promote an inclusive educational environment for special education students. Peer assistants assist teachers in general education and special education settings by helping to facilitate inclusion in the classroom.					

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Approved Innovative Courses—Other (cont.)					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Peer Coaching for Students I–IV	N1290044 N1290045	PCOACHI PCOACH2	1/2–1	Jessica Snyder	2016-2017
Peer Coaching for Students (PCS) is designed to promote an inclusive educational environment for at-risk and special education inclusion students. PCS is a course where positive peers make a positive impact in their fellow peer's lives.					
General Employability Skills	N1290060	GEMPLS	1	Diane Salazar	2015-2016
This course will provide instruction in general employability skills as well as the pre-requisite skills for general employability. Employability skills are the skills and attitudes that allow employees to get along with their co-workers, make important work-related decisions and become strong members of the work team.					

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Approved Innovative Courses—Organizations Other Than School Districts *Districts may use these courses only with the approval of the owning organization.* *All requirements of the owning organization must be met.* *Contact the owning organization directly for these requirements.*					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Art and Media Communications I - II	N1170024 N1170145	ARMECOM ARMECOM2	1	Texas Cultural Trust abarbee@txculturaltrust.org	2014-2015
Art and Media Communications I & II combine rigorous and relevant experiential study of modern, post-modern, and contemporary visual art and design with student learning in media literacy and technology applications.					
AVID I–IV	N1290001 N1290002 N1290030 N1290033	AVID1 AVID2 AVID3 AVID4	1/2–1	Avid Center www.avidonline.org	2018-2019
The *AVID* elective class provides academic and social support for students entering rigorous coursework for the first time in their educational career. AVID I–IV provides schools a mechanism for elevating previously middle performing students up to completion of at least the Recommended High School Program.					
Basics of Student Project Management	N1270151	PROJMAN	1	Brooke Education Services Pamela Bissa	TBD*
Basics of Student Project Management is designed students to gain insight and skills in the overall disciplines and general practices of student project management, and how to organize and plan a project, how to monitor, control, and communicate the production of the project, and how to promote continuous usage of project management skills.					
Coca-Cola Valued Youth Program	N1290036	CCVYP	1/2–1	Intercultural Development Research Association www.idra.org	2014-2015
The primary goal of this cross-age tutoring course is dropout prevention. The curriculum prepares secondary school students to tutor elementary students.					
Dance and Media Communications I-II	N1170150 N1170151	DAMECOM DAMECOM2	1	Texas Cultural Trust abarbee@txculturaltrust.org	2014-2015
Dance and Media Communications I provides rigorous and relevant experiential study of dance history, dance technique, and choreography along with student learning in media literacy and technology applications. *Dance and Media Communications II* builds on the foundational dance and technology skills taught in *Dance and Media Communications I* and provides opportunities for students to apply and synthesize knowledge and skills through relevant, real-world projects.					
Database Fundamentals (Oracle)	N1302801	DATAFUND	1/2–1	Oracle www.oracle.com	TBD*
Students will learn how to transform business requirements into an operational database utilizing a top-down, systematic approach. This course covers the concepts of both relational and object-relational databases.					
Database Programming (Oracle)	N1302802	DATAPROG	1/2–2	Oracle www.oracle.com	TBD*
Students will be introduced to the PL/SQL Programming language. PL/SQL is the procedural language extension to SQL and is Oracle Corporation's standard data access language for relational databases.					
Engineering: The Digital Future	N1303751	ETDF	1/2–1	The Infinity Project ipmail@infinity-project.org	TBD*
This course focuses on the fundamentals of modern engineering and technology in the information and communications age. To generate and maintain students and faculty interest, engineering and design examples are drawn from wireless and telecommunications, the Internet, electronic music, and other multimedia technologies popular in today's culture.					

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Approved Innovative Courses—Organizations Other Than School Districts *Districts may use these courses only with the approval of the owning organization.* *All requirements of the owning organization must be met.* *Contact the owning organization directly for these requirements.*					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Foundations of Intensive Language Acquisition and Support (FILAS)	N1280040	FILAS	1	ESC Region 1, Amy Mares (amares@esc1.net) www.esc1.net	TBD*
This one-credit course replaces English for Newcomers A. It is designed for recent immigrant and/or recently arrived English language learners (ELLs) who are unschooled or have limited schooling. This course will assist students to become proficient in listening, speaking, reading, and writing in English. It prepares students to succeed in the American public school system.					
Internetworking Technologies (Cisco) I–II	N1302803 N1302804	INTNET1 INTNET2	1–3	ESC Region XI, Gay Berryman gberryman@esc11.net	TBD*
Cisco I is an introduction to Home and Small Office Networking. *Cisco II* provides student with skills to network a small to medium business or and Internet Service Provider (ISP).					
Music and Media Communications I-II	N1170160 N1170161	MUMECOM MUMECOM2	1	Texas Cultural Trust abarbee@txculturaltrust.org	2014-2015
Music and Media Communications is designed to provide access to rigorous and relevant instruction in music and media-based skills to those students entering high school who may not have an extensive background in music. *Music and Media Communications II* builds upon the foundational music and technology skills taught in the *Music and Media Communications I* survey course and provides opportunities for students to apply and synthesize knowledge and skills through relevant, real-world projects.					
PeaceKeepers® I–II	N1290024 N1290025	PEACE1 PEACE2	1/2–1	paxUnited® Cary Trout	2016-2017
This course is a curriculum based, peer mediation program offering selected middle and high school students the opportunity to work in a field experience practicum where they become trained mediators for their peers on their own campus or on feeder school campuses.					
Peer Assistance and Leadership (PAL®) I–II	N1290005 N1290006	PAAL1 PAAL2	1/2–1	Worker's Assistance Program, Inc. www.wapeap.com	2018-2019
Peer Assistance and Leadership courses utilize the potential of youth to make a difference in their lives, schools and communities. PAL® nurtures and builds capacities to help youth develop protective factors, helping them to achieve school and social successes which lead to a productive life.					
Peers Accepting Learning & Sharing I–II	N1290040 N1290041	PRALS-1 PRALS-2	1/2–1	Prevention Education Associates serrano@educating.org	2016-2017
The *Peers Accepting Learning and Sharing–Peer Assistance* course is intended to provide a field experience for young people who are potentially interested in careers in education and related helping professions.					
Reconnecting Youth	N1290007	RECONYT	1/2	Recoonecting Youth, Inc. Beth McNamara	2018-2019
The three central goals of this course are to increase students' academic performance, decrease students' drug involvement, and decrease suicide risk among students.					
Sports Medicine I-II	N1150040 N1150041	SPORTMD1 SPORTMD2	1	Texas State Athletic Trainer's Association (TSATA) www.tsata.com	2016-2017
Sports Medicine I provides an opportunity for the study and application of the components of sports medicine. *Sports Medicine II* involves outside-of-class time homework and time required working with athletes and athletic teams.					

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Approved Innovative Courses—Organizations Other Than School Districts (cont'd.) *Districts may use these courses only with the approval of the owning organization.* *All requirements of the owning organization must be met.* *Contact the owning organization directly for these requirements.*					
Course Name	**PEIMS Code**	**AAR Abbreviation**	**Credits**	**Contact**	**Expiration**
Sports Medicine III	N1150044	SPORTMD3	1	Texas State Athletic Trainer's Association (TSATA) www.tsata.com	2014-2015
Sports Medicine III will provide a logical progression for students that have advanced through the sports medicine courses. This course will provide opportunities for advanced students to research, investigate, prepare, and present article reviews, case studies, research projects, visual poster presentations, and multimedia presentations on instructor-approved topics.					
StrengthBank: A Relationship Initiative	N1290037	STRNBNK	1/2	StrengthBank Inc. sandra@strengthbankinc.org	2016-2017
StrengthBank® tier of courses develops proficiency in relationships by promoting the discovery, and directional prowess from each student's inborn, unique bank of strengths and its accompanying physical, mental, and relational equipment for a productive life and/or career.					
Student Leadership	N1290010	STUDEAD	1/2–1	Texas Association of Secondary School Principals (TASSP), Tom Leyden tom@tassp.org www.tassp.org	2018-2019
This course provides an opportunity to study, practice, and develop group and individual leadership and organizational skills. These skills include the structure of leadership, organization and managerial skills, citizenship, goal setting, group processes, and communication.					
Teen Leadership	N1290012	TEENLDR	1/2–1	The Flippen Group www.flippengroup.com	2018-2019
Teen Leadership is a course in which students develop leadership, professional, and business skills. They learn to develop a healthy self-concept, healthy relationships, and learn to understand the concept of personal responsibility.					
Theatre and Media Communications I-II	N1170170 N1170171	THMECOM THMECOM2	1	Texas Cultural Trust abarbee@txculturaltrust.org	2014-2015
Theatre and Media Communications I provides students with a rigorous and relevant experiential study of theatre along with video and audio design. *Theatre and Media Communications II* builds on the foundational theatre and technology skills taught in *Theatre and Media Communications I* survey course and provides opportunities for students to apply and synthesize knowledge and skills through relevant, real-world projects.					
Young Leaders for Healthy Change	N1150045	YGLEADHC	½	ACTIVE Life, Inc http://www.activelifehq.org/	TBD*
Young Leaders for Healthy Change, moves beyond a traditional health education framework and is for students interested in becoming ambassadors for healthy change. This unique approach to health promotion utilizes a constructivist model, incorporating the use of technology and social media.					

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